

BENT, A. C. 1937. Life histories of North American birds of prey. U.S. Natl. Mus. Bull. 167.

BROWN, L. AND D. AMADON. 1968. Eagles, hawks, and falcons of the world. Vol. 1. Hamlyn Publishing Co., Ltd. Middlesex.

EDWARDS, C. C. 1969. Winter behavior and population dynamics of American Eagles in Utah. Ph.D. dissertation. Brigham Young Univ., Provo, UT. 142 pp.

GRUBB, T. C., JR. 1971. Bald Eagles stealing fish from Common Mergansers. *Auk* 88:928-929.

HOWELL, A. H. 1932. Florida Bird Life. Tallahassee: Florida Dept. Game and Freshwater Fish.

KLEM, D., JR., B. S. HILLEGASS AND D. A. PETERS. 1985. Raptors killing other raptors. *Wilson Bull.* 92:230-231.

LEDUC, P. V. 1970. Red-tailed Hawk attacks Bald Eagle. *Auk* 87:586.

LISH, J. W. 1973. Status and ecology of Bald Eagles and nesting Golden Eagles in Oklahoma. M.S. Thesis. Oklahoma State University, Stillwater, OK. 99 pp.

MEINERTZHAGEN, R. 1959. Pirates and predators. Oliver and Boyd Publishing Co., London.

PLATT, J. B. 1976. Bald Eagles wintering in a Utah desert. *Am. Birds* 30:783-788.

SWINGLAND, I. R. 1975. The influence of weather and individual interactions on the food uptake of captive Rook (*Corvus frugilegus*). *Physiol. Zool.* 48:295-302.

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Received 16 December 1987; Accepted 8 July 1987

*J. Raptor Res.* 21(3):120-121  
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OCCURRENCE AND FIRST NEST RECORD OF FLAMMULATED OWLS IN MONTANA

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The Flammulated Owl (*Otus flammeolus*) is reported to occur in Montana during annual migration (AOU 1983). Wright (1976) reported the first specimen record of a Flammulated Owl for Montana (UMZM 15231) and listed two other site records for the state. Skaar et al. (1985) reported five verified and one questionable Flammulated Owl records for Montana which included all previous records. In 1985 and 1986 calling Flammulated Owls

Table 1. Reports of Flammulated Owls for Montana, 1962-1986.

DATE	LOCATION	COMMENTS
Summer 1962	Flathead Co., Head of Lake McDonald, Glacier National Park	First state record; road kill
January 1965 <sup>a</sup>	Lewis and Clark Co., west of Helena	Found helpless in snowstorm; later died
October 1971	Ravalli Co., at Darby game bird farm	First specimen record; found injured; later died
4 September 1975	Missoula Co., downtown Missoula	First nesting evidence; recently fledged bird; injured; later released
4 September 1979	Ravalli Co., Cow Creek, Woodside	Found injured; later died
27 September 1980	Missoula Co., Grant Creek, Missoula	Road kill
21 November 1981 <sup>b</sup>	Flathead Co., east of Bigfork	Observed perched in tree with vole in talons
20 December 1981 <sup>c</sup>	Flathead Co., West Glacier	Observed chasing passerines at bird feeder
11 August 1982	Missoula Co., west of Missoula	Fledgling found by logger; later released
20 August 1985	Granite Co., Rock Creek road, 8 miles from I-90	Found injured; later released
15 July 1986	Missoula Co., Blanchard Lookout, Blanchard Creek	First nest record; snag felled by logger

<sup>a</sup> Reported by Pat McKinney.  
<sup>b</sup> Reported by Robin Magadino.  
<sup>c</sup> Reported by B. Reilly McClelland (2nd hand).

(presumably males) were heard in Missoula County (R. Escano and S. Reel, pers. comm.). We report the first confirmed nest record, previous evidence of nesting and additional sight records which include four winter records of Flammulated Owls in Montana.

On 15 July 1986 a Ponderosa pine (*Pinus ponderosa*) snag was cut for firewood near Blanchard Lookout, Blanchard Creek, Missoula County. A cavity in the snag contained three nestling Flammulated Owls. Two of the nestlings were partially feathered and approximately equal in size and age, while the third nestling was smaller and mostly in downy plumage. No information concerning habitat surrounding the nest area was noted.

Table 1 lists all known previous Flammulated Owl records for Montana. The Flammulated Owl is considered to be strictly insectivorous (Ross 1969; Winter 1974; Marshall 1967, 1978) and is generally believed to winter south of the United States. Four previous sight records (October, November, December, January) in Montana (Table 1) are of particular interest because of seasonal occurrence and as an indicator that vertebrate prey may be taken given the time of year. The fact that owls reported here were seen at midday during late fall/early winter and associated with a vole spp. and small passerines (Table 1), help to support the previous statement.

To our knowledge there are no published records of Flammulated Owls preying on vertebrates nor wintering in the northern Rocky Mountains. Likely, these small owls occur throughout western Montana in suitable habitat but have simply been overlooked because of their habits.

#### ACKNOWLEDGMENTS

We thank Robin Magadino, Joe T. Marshall and B. Riley McClelland for information and personal records.

We also thank Richard Reynolds and Jon Winter for comments on the draft manuscript. Pete Bloom and Richard J. Clark made helpful comments on the final manuscript.

#### LITERATURE CITED

- AMERICAN ORNITHOLOGISTS' UNION. 1983. Check-list of North American birds, 6th edition. American Ornithologists' Union (Washington DC).
- MARSHALL, J. T. 1967. Parallel variation in North and Middle American screech-owls. *West. Found. Vert. Zool. Monog.* 1:1-72.
- . 1978. Systematics of smaller Asian night birds based on voice. *Am. Ornithol. Union, Wash. D.C., Ornithol. Monog. No.* 25:1-58.
- ROSS, A. 1969. Ecological aspects of the food habits of insectivorous screech-owls. *Proc. West. Found. Vert. Zool.* 1:301-344.
- SKAAR, D., D. FLATH AND L. S. THOMPSON. 1985. Montana bird distribution. *Mont. Acad. Sci. Monog. No.* 3 44:1-70.
- WINTER, J. 1974. The distribution of the Flammulated Owl in California. *West. Birds* 5:25-44.
- WRIGHT, P. L. 1976. Further bird records from western Montana. *Condor* 78:418-420.
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Received 8 April 1987; Accepted 12 August 1987

## NEST SITE COMPETITION BETWEEN OSPREYS AND CANADA GEESE AT LAKE ALMANOR, CALIFORNIA

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The Osprey (*Pandion haliaetus*) and the Canada Goose (*Branta canadensis*) nest in broken-top trees near water through much of northwestern North America. Canada Geese have been reported using Osprey nests (Yocum 1952; Geis 1956; Gabrielson and Lincoln 1959; Craighead and Stockstad 1961; Garber 1972) and artificial platforms constructed for Ospreys (Henny et al. 1978; W. D. Carrier, pers. comm.) in many areas.

Reports of interactions at nest sites between the two species are few. Fannin (1894) reported an unusual case in which both Ospreys and Canada Geese defended a nest containing eggs of both species. Flath (1972) observed conflicts at Osprey nest sites, including one case in which Ospreys apparently evicted geese that had begun nesting before Ospreys returned from migration. Another Osprey nest received double usage during a year with mild spring